

## HIGH-FREQUENCY COMPOSITE COMPONENT

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### Abstract of JP10126307

**PROBLEM TO BE SOLVED:** To provide the high-frequency composite component which is made small in size and made light in weight by integrating a high-frequency switch and an amplifier. **SOLUTION:** A high-frequency composite component 10 is made up of a high-frequency switch SW and a Tx side amplifier AMP 1 among high-frequency components of the PHS system. Then the high-frequency switch SW is used to switch the connection between the transmission circuit Tx and an antenna ANT and the connection between a reception circuit Rx and the antenna ANT. Moreover, the Tx side amplifier AMP 1 acts as an amplifier that amplifies a transmission signal converted into an RF signal and passing through a Tx side filter F1 to send the result to the high-frequency switch SW.

